



July 8, 2009

The Honorable Charles Terreni  
Chief Clerk/Administrator  
Public Service Commission of South Carolina  
P. O. Drawer 11649  
Columbia, South Carolina 29211

RE: Request for Approval of Traffic Signal Service (Metered) Schedule TFS-13  
SCPSC Docket No. 2009-\_\_\_\_-E

Dear Mr. Terreni:

Enclosed for filing with and approval by the Public Service Commission of South Carolina is Progress Energy Carolinas, Inc.'s ("PEC") Traffic Signal Service (Metered) Schedule TFS-13. The Schedule supplements the existing Traffic Signal Service Schedule TSS to offer municipal and governmental customers both a metered and unmetered solution to serving their traffic signal equipment.

Traffic signals are slowly being converted from incandescent to light-emitting diode ("LED") sources to recognize significant reductions in energy requirements as well as reduced maintenance cost. Under existing Schedule TSS, PEC serves traffic signals on an unmetered basis because the fixed wattage requirement of incandescent lighting supports an accurate estimate of monthly consumption based upon the customer's specific equipment installation. If the customer upgrades or changes this equipment, they notify PEC and the monthly rate is adjusted accordingly. LED lighting is different since the red, green, and yellow LEDs all consume different amounts of electricity thereby making it difficult to accurately estimate monthly usage. Even intersections with identical traffic signal equipment will consume different amounts of electricity depending upon how long each LED source operates. PEC therefore desires to encourage future LED traffic signals to be served on a metered basis to recognize the reduced energy requirement and ensure accurate billing. Customers may install LED lighting and elect to remain on the unmetered Schedule TSS if they desire, in this situation the billing will reflect the lowest wattage incandescent light. To receive service under Schedule TFS, the customer must install a meter base; however, it is expected that this installation cost would be recouped in less than 12 months from savings in electricity cost.

Traffic Signal Service (Metered) Schedule TFS-13 includes a \$9.10 Basic Facilities Charge to recover the cost of billing and providing facilities necessary to support consumption of electricity. This charge is identical to the Basic Facilities Charge contained in Small General Service Schedule SGS, a metered schedule available to similar-sized customers. It also includes an energy rate of 7.246¢/kWh for consumption. This is the average energy rate applicable under Schedule TSS and recognizes that traffic signals typically operate at a higher load factor than average general service customers. The Schedule also includes a monthly charge for three phase

Progress Energy Service Company, LLC  
P.O. Box 1551  
Raleigh, NC 27602

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service of \$9, which matches the same charge in Schedule SGS, although it is unlikely that three phase service will be required for this type of load.

A copy of Traffic Signal Service (Metered) Schedule TFS-13 is enclosed as Exhibit No. 1.

Very truly yours,

A handwritten signature in dark ink, reading "Len S. Anthony/mhm". The signature is written in a cursive, flowing style.

Len S. Anthony  
General Counsel  
Progress Energy Carolinas, Inc.

LSA:mhm

Attachment

c: Mr. John Flitter (5 copies)

TRAFFIC SIGNAL SERVICE (METERED)  
SCHEDULE TFS-13

AVAILABILITY

This Schedule is available for electric service supplied solely for the operation and illumination of traffic signals installed along public and private highways.

INSTALLATION

The Company, for each signal or group of signals operating from one controller, will make its connection to Customer's service wire at a point where Company's conductors may be conveniently extended and terminated. Customer will furnish, install, and maintain all service wires, fixtures, and other necessary equipment, including lamps and lamp renewals, for the installation and operation of all traffic signals.

APPLICABILITY

This Schedule is applicable to all electric service of the same available type supplied to Customer's premises at one point of delivery through one meter.

TYPE OF SERVICE

The types of service to which this Schedule is applicable are alternating current, 60 hertz, either single-phase 2 or 3 wires, or three-phase 4 wires, at Company's standard voltages of 240 volts or less.

MONTHLY RATE

I. For Single-Phase Service:

A. For the cost to bill and provide facilities necessary to support consumption of electricity:

\$9.10 Basic Facilities Charge

B. For the cost of electricity consumed:

Kilowatt-Hour Energy Charge: 7.246¢ per kWh

II. For Three-Phase Service:

The bill computed for single-phase service plus \$9.00

FUEL AND DSM/EE ADJUSTMENT

Fuel and related environmental costs as set forth in Rider No. 39Z and demand side management and energy efficiency costs as set forth in Rider DSM/EE-1 are included in the above charges and are subject to adjustment by order of the Public Service Commission of South Carolina. The rates applicable under Rider DSM/EE-1 are provisional and are therefore subject to true-up with interest upon further review by the Office of Regulatory Staff and the Public Service Commission of South Carolina.

PAYMENTS

Bills are due when rendered and are payable within 15 days from the date of the bill. If any bill is not so paid, the Company has the right to suspend service in accordance with its Service Regulations. In addition, effective on and after January 1, 1989, any bill not paid on or before the expiration of twenty-five (25) days from the date of the bill is subject to an additional charge of 1.5% per month as provided in Rule 103-339(3) of the Rules and Regulations of the South Carolina Public Service Commission.



CONTRACT PERIOD

The Contract Period shall not be less than one year.

SALES AND FRANCHISE TAX OR PAYMENT IN LIEU THEREOF

To the above charges will be added any applicable South Carolina sales tax, and for those customers within any municipal or other local governmental jurisdiction, an appropriate amount to reflect any franchise fee, business license tax, or similar percentage fee or tax, or charge in lieu thereof imposed by such entity.

GENERAL

Service rendered under this Schedule is subject to the provisions of the Service Regulations of the Company on file with the state regulatory commission.

Effective for bills rendered on and after \_\_\_\_\_, 2009  
SCPSC Docket No. 2009-\_\_\_\_-E, Order No. 2009-\_\_\_\_\_